

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the above-captioned application:

Listing of the Claims:

1. (Currently amended): An instrumented rolling bearing device comprising:

a non-rotating race provided with a raceway;

a rotating race provided with a raceway;

at least one row of rolling elements arranged between said raceways of the rotating and non-rotating races;

an assembly for detecting rotation parameters comprising a non-rotating sensor assembly and a rotating encoder; and

an elastic member intended for axially prestressing the rolling bearing, retained axially on the sensor assembly, the elastic member being of annular shape and having an outer diameter smaller than or equal to that of the outer race of the bearing, the elastic member comprising a supporting surface designed to be in contact with an element outside said bearing device in order to exert, directly or indirectly, by reaction from the above element outside said device, an axial force on the non-rotating race in a direction opposite to the detection assembly;

wherein a portion of the non-rotating sensor assembly axially retains said elastic member on the sensor assembly.

2. (Original): The device as claimed in claim 1, in which the elastic member is a corrugated washer.
3. (Canceled)
4. (Canceled)
5. (Original): The device as claimed in claim 1, in which the sensor assembly comprises a body fitted with means for retaining the elastic member.
6. (Original): The device as claimed in claim 5, in which said retaining means comprise at least one finger.
7. (Original): The device as claimed in claim 2, in which the sensor assembly comprises a body fitted with means for retaining the elastic member.
8. (Original): The device as claimed in claim 7, in which said retaining means comprise at least one finger.
9. (Original): The device as claimed in claim 1, in which the sensor assembly comprises a printed circuit and at least one sensor element supported by the printed circuit, the elastic member being in contact with the printed circuit on an opposite side to the sensor element.

10. (Original): The device as claimed in claim 2, in which the sensor assembly comprises a printed circuit and at least one sensor element supported by the printed circuit, the elastic member being in contact with the printed circuit on an opposite side to the sensor element.

11. (Original): The device as claimed in claim 9, in which the elastic member is arranged axially between the printed circuit and means for retaining said elastic member, forming part of the sensor assembly.

12. (Original): The device as claimed in claim 1, in which the rolling elements transmit said axial prestress.

13. (Original): The device as claimed in claim 9, in which the rolling elements transmit said axial prestress.

14. (Original): The device as claimed in claim 11, in which the rolling elements transmit said axial prestress.

15. (Original): The device as claimed in claim 1, in which the elastic member for axially prestressing the rolling bearing pushes the non-rotating race away from said assembly for detecting rotation parameters.

16-19. (Canceled)